

AIPHONE SOLUTION SHOWCASE

Adding Security and Communication to a Historical Building (Residence/Office)



THE SCENARIO

A building, originally constructed as a warehouse in the 19th century, held historical and architectural value. It had been recognized as an industrial heritage and underwent renovations around 2000 that preserved its exterior while transforming it into residences, offices, and commercial facilities. Two decades after these renovations, the existing intercom system installed during the renovation suffered partial malfunctions and became inoperative. Consequently, the owners' management association decided to replace the entire intercom system and sought a prompt replacement.

In response to the various demands of residents and tenants regarding intercom system —such as the desire to answer visitors remotely using smartphones, confirm visitors during absences, verify visitor identities by viewing their faces, and favoring a cost-effective and user-friendly intercom operation—the owners' management association desired a system with a variety type of intercom room stations.

Considering the building's location in a bustling downtown area, the entrance intercom station facing the street, it had to be sturdy enough to withstand vandalism. Additionally, taking into account the proximity of the waterfront, there was a request for weather-resistant models.

Furthermore, whenever residents/tenants move out or in, it was essential to have a straightforward method for updating the entrance station with their names and change the passcode to unlock entrance door. The desire was for a system that facilitates these tasks efficiently, saving setup time.

By selecting a system that could be connected to the existing wire, the owners' management association avoided a lengthy construction period.

THE SOLUTION

To eliminate the need for rewiring and reduce the construction period, a bus-wired apartment intercom system was considered. After inspecting the existing wiring to ensure its usability, a bus-wired apartment intercom system was proposed to the owners' management association and received approval.

A range of room stations, including video stations with recording functionality that can sync with smartphones, simple video intercoms, and audio intercoms, met the various demands of the residents/tenants.

For the entrance station, a stainless steel panel was used, providing an impact protection rating of IK07 and an ingress protection rating of IP54. This ensured water and dust resistance while maintaining a sleek design.

The system enabled easy transfer of pre-programmed setting data to an entrance station equipped with an NFC reader via a smartphone. NFC data transfer saved work time, resulting in fewer inconveniences during setting work.



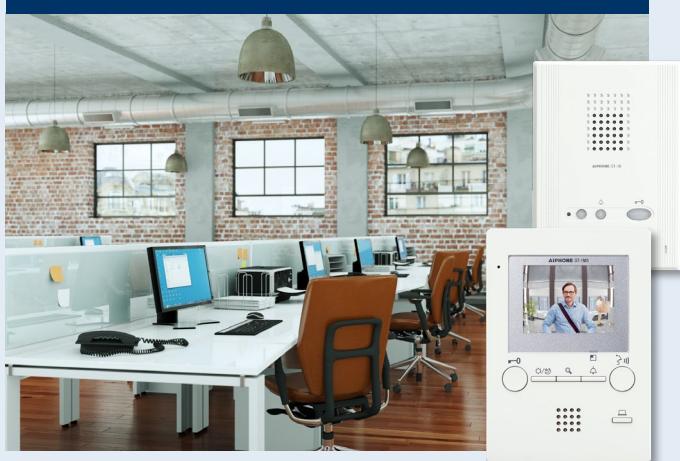
AIPHONE SOLUTION SHOWCASE

Entrance



A stylish design entrance station with stainless steel panel fits for any type of entrance like historical or modern atmosphere.

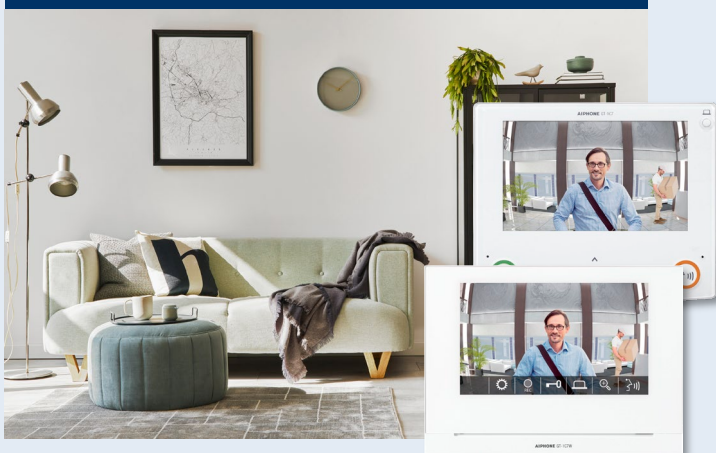
Office



THE BENEFITS

- Bus wired system allowed much of the existing wire to be reused, saving both time and cost
- Satisfying customers by allowing users to choose from a wide variety of room station to suit their needs
- Designed with vandal resistant and weather resistant of the entrance station provided less maintenance costs
- Employed with NFC technology allowed smart data transfer, saving both costs and time, and reduced inconveniences of residents due to out of intercom service during setting work

Residence



System configuration Example

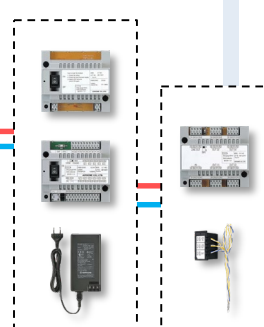
Video Apartment intercom

- Video Entrance Station, NFC reader GT-DMB-N
- Audio Bus Control Unit GT-BC
- Video Bus Control Unit GT-VBC
- Power Supply Adaptor PS-2420
- Video Distribution Adaptor, 4-Way GT-4Z
- Video Distribution Adaptor, 1-Way GT-1Z
- Video Room Station, Wireless LAN Picture Memory GT-1C7W
- Video Room Station GT-1C7
- Video Room Station GT-1M3
- Audio Room Station GT-1A

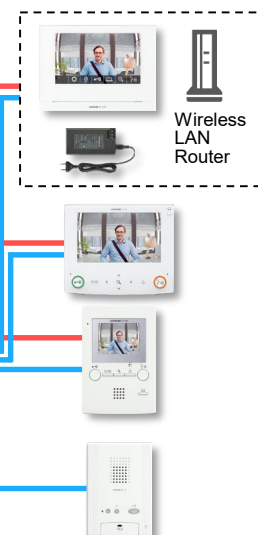
Entrance



Equipment Closet



Room (Residence/Office)



Outside

